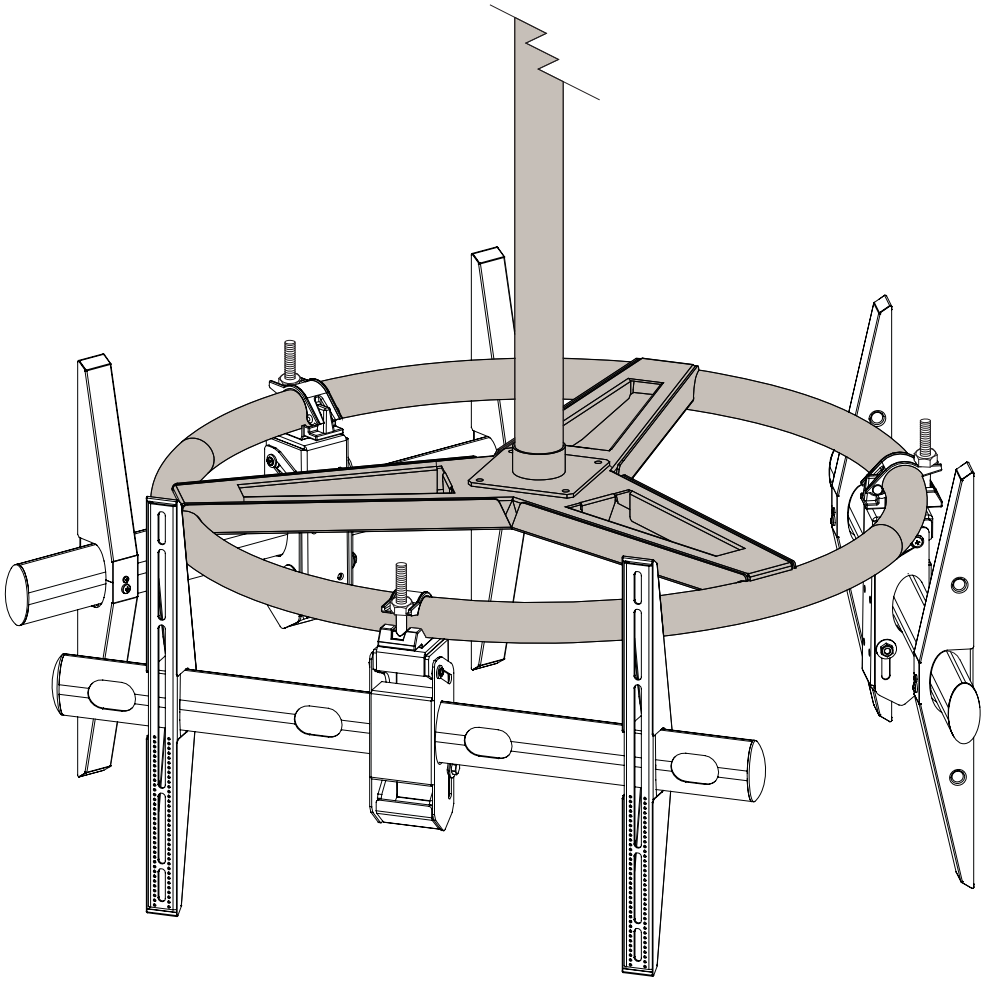
PREMIER MOUNTS®
The original holding company™

INSTALLATION INSTRUCTIONS



Elliptical Ceiling Mount for 37″ to 63″ Flat Panels

Model: ECM-3763T

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9531-007-034-00

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Weight Capacity

Maximum flat panel weight: 160lbs. x 3

THE CEILING STRUCTURE MUST BE CAPABLE OF HOLDING FIVE (5) TIMES THE WEIGHT OF THE FLAT PANEL AND MOUNT. IF NOT, THEN THE CEILING STRUCTURE MUST BE REINFORCED.

Warning Statements

INSTALL THE MOUNT ACCORDING TO THE INSTRUCTIONS PROVIDED BY PREMIER MOUNTS. PERFORM ALL STRUCTURAL REINFORCEMENTS BEFORE ATTACHING THE FLAT PANEL TO THE CEILING MOUNT. USE THE APPROPRIATE LIFTING DEVICE WHEN LIFTING THE FLAT PANEL INTO PLACE.

PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS MUST BE READ AND COMPLETELY UNDERSTOOD TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.

PREMIER MOUNTS DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PREMIER MOUNTS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS.

SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE ASSEMBLY OF THIS PRODUCT. USE PROPER SAFETY GEAR AND TOOLS FOR THE ASSEMBLY PROCEDURE TO PREVENT PERSONAL INJURY.

At least two qualified people should perform the assembly procedure. Personal injury and/or property damage can result from dropping or mishandling the flat panel.

Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in the ceiling. Cutting or drilling into an electrical line may cause serious personal injury.

Make sure there are no water or natural gas lines inside the ceiling where the mount is to be located. Cutting or drilling into a water or gas line may cause severe property damage or personal injury.

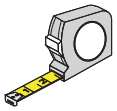
This product is intended for indoor use only. Use of this product outdoors could lead to product failure and/or serious personal injury.

Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.

Contact Premier Mounts with any questions:
(800) 368-9700
techsupport@mounts.com

Installation Tools

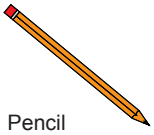
The following tools may be required, dependent upon your particular installation. These tools are not provided by Premier Mounts, but you can purchase them at your local hardware store.



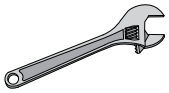
Tape Measure

Protective Eye Wear

Phillips Tip Screwdriver



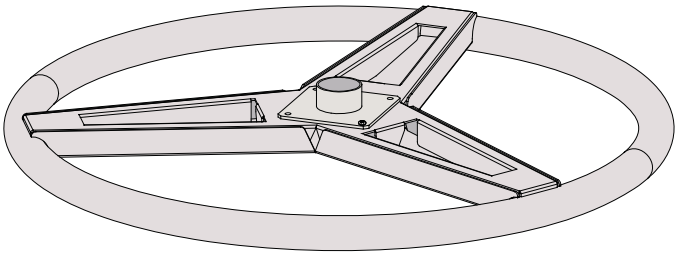
Pencil



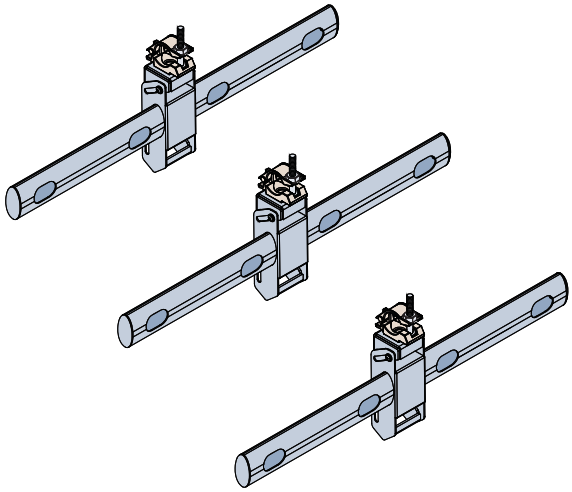
Adjustable Wrench

Ladder

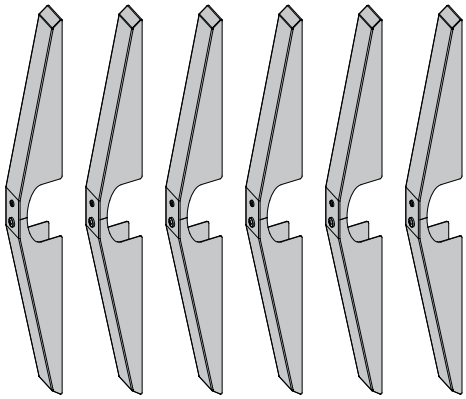
ECM-3763T Mount Hardware



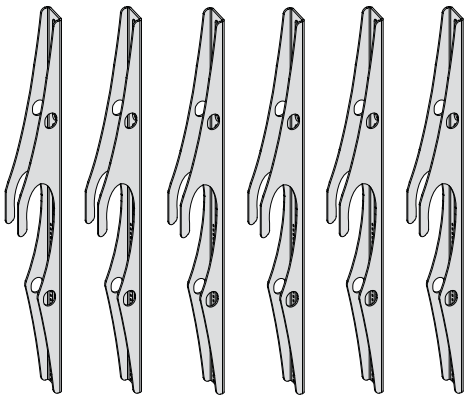
Mount Ring (Qty 1)



Elliptical Tilt Mount (Qty 3)

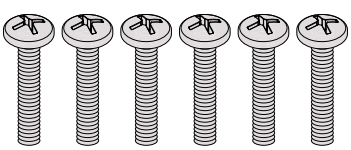


Decorative Covers (Qty 6)

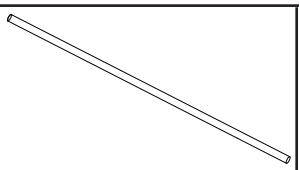


Mounting Bracket Arms (Qty 6)

M4 x 6mm Phillips Screws (Qty 6)



M6 x 25mm Phillips Screws (Qty 6)



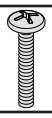
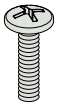
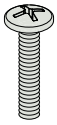
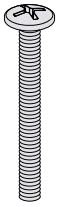
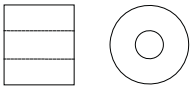
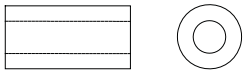
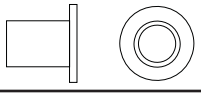
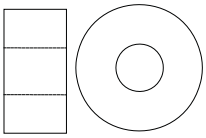
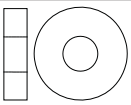
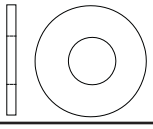
Thread Depth Indicator (Qty 1)

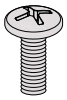
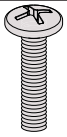
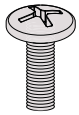
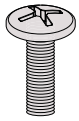
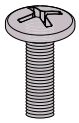
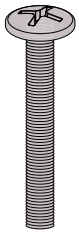
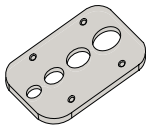
$\frac{5}{32}$" Allen Wrench (Qty 1)

Parts List (cont'd)

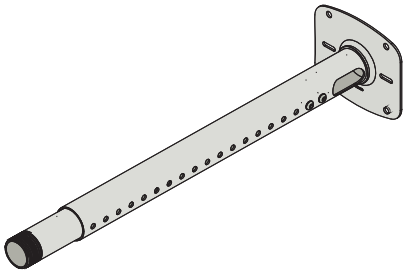
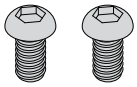
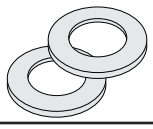
Mounting Hardware

Standard Hardware

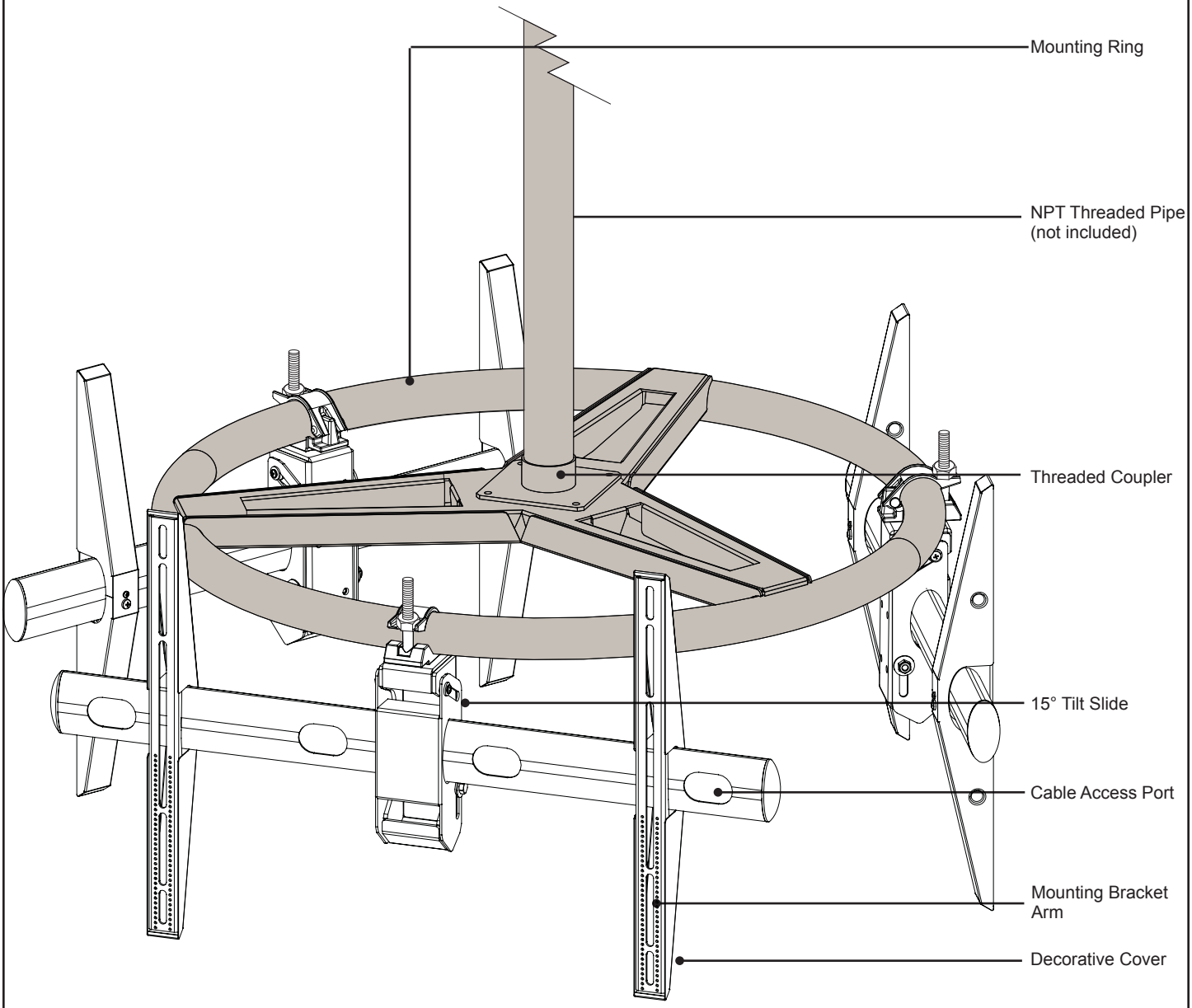
M4 x 16mm Phillips Head Screw (Qty 24)	
M4 x 25mm Phillips Head Screw (Qty 12)	
M5 x 12mm Phillips Head Screw (Qty 18)	
M5 x 16mm Phillips Head Screw (Qty 18)	
M5 x 20mm Phillips Head Screw (Qty 18)	
M5 x 25mm Phillips Head Screw (Qty 12)	
M5 x 50mm Phillips Head Screw (Qty 12)	
M6 x 12mm Phillips Head Screw (Qty 24)	
9/16″ Nylon Spacers (Qty 18)	
1″ Nylon Spacers (Qty 18)	
¼″ Nylon Spacers (Qty 18)	
5/16″ Nylon Sleeves (Qty 12)	
½″ Nylon Spacers -Large (Qty 36)	
¼″ Nylon Spacers -Large (Qty 18)	
5/16″ Flat Washer - Metal (Qty 18)	

M6 x 20mm Phillips Head Screw (Qty 18)	
M6 x 30mm Phillips Head Screw (Qty 18)	
M8 x 20mm Phillips Head Screw (Qty 18)	
M8 x 25mm Phillips Head Screw (Qty 18)	
M8 x 30mm Phillips Head Screw (Qty 18)	
M8 x 35mm Phillips Head Screw (Qty 12)	
M8 x 70mm Phillips Head Screw (Qty 12)	
Griplate™ Washers (Qty 24)	

AST-2446/2 Hardware

AST-2446/2 (Qty 1)	
M8 x 16mm Cap Screw (Qty 2)	
M8 Wave Washers (Qty 2)	

Features


Mounting Ring
NPT Threaded Pipe
(not included)
Threaded Coupler
15° Tilt Slide
Cable Access Port
Mounting Bracket
Arm
Decorative Cover

Attaching the Ceiling Mount

The ceiling should be capable of supporting a weight of at least five times the product weight. If not, the ceiling surface must be reinforced. Proper installation procedure by qualified personnel as outlined in the installation instructions must be adhered to. Failure to do so could result in serious personal injury.

Mounting hardware is not included with this product. Commercially available hardware must be used for this installation. The hardware used will depend on your installation environment (i.e. wood stud, concrete surface, metal I-beam etc).

❶ Separate the upper and lower halves of the AST-2446/2 by removing both M8 screws and wave washers.

❷ Unpack the trio mount and place it on the ground.

The set screw on the threaded coupler must be backed out in order for the AST-2446/2 to be threaded into place.

❸ Thread the lower half of the AST-2446/2 into the threaded coupler on the trio mount.

❹ The lower half of the AST-2446/2 must be threaded in a minimum four (4) turns.

Use the screwdriver to tighten the set screw once the AST-2446/2 has been attached.

The following steps must be performed by a minimum of three people.

❺ Two people lift the trio mount into place. Align the upper and lower halves of the AST-2446/2.

❻ Slide the lower half/trio mount into the upper half of the AST-2446/2.

It is recommended that the height, and location, of the ECM-3763T be determined prior to performing the following steps.

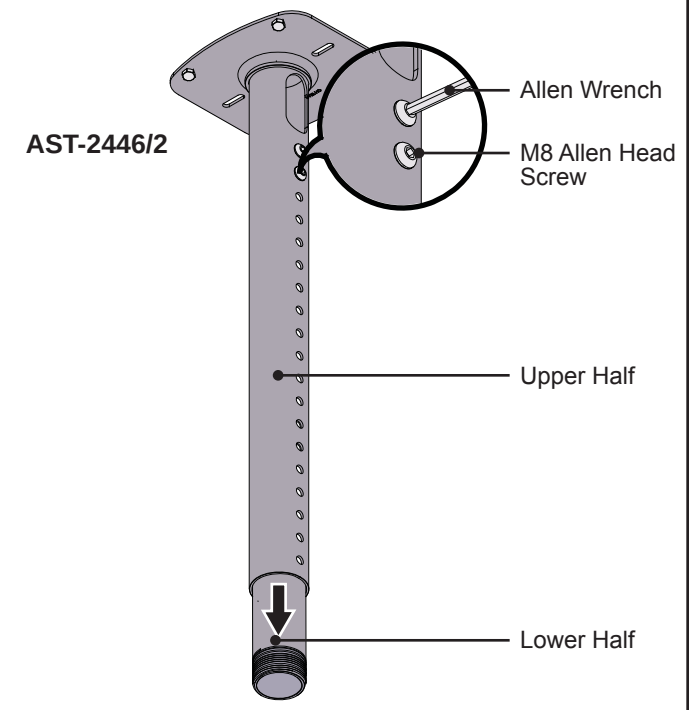
❼ Determine the mounting height.

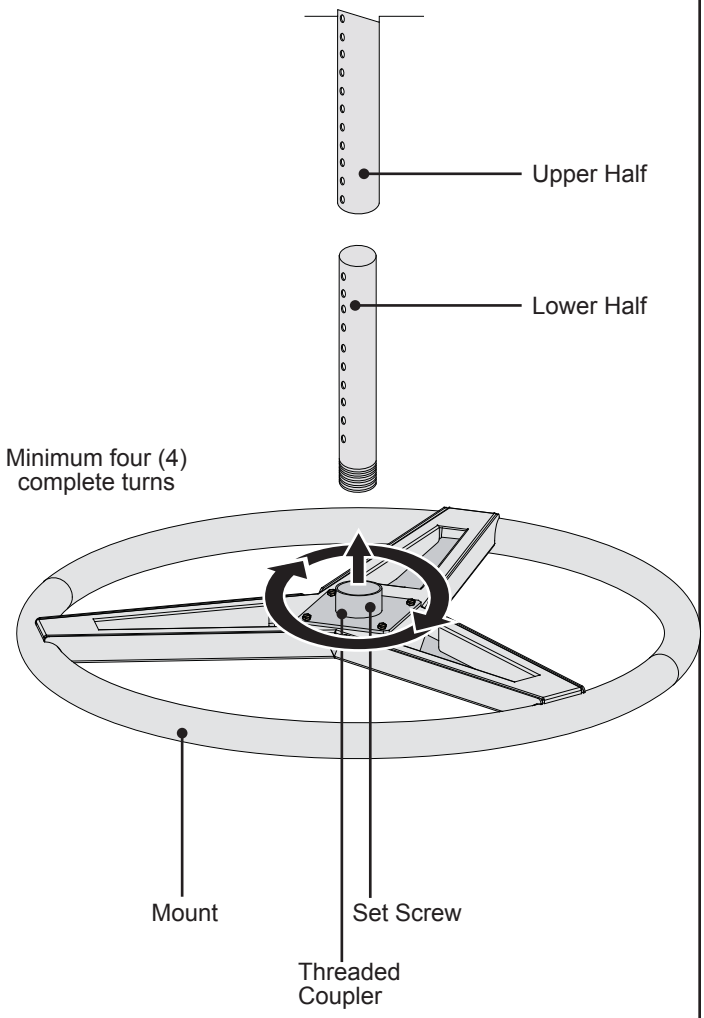
❽ Align the M8 mounting holes on the upper and lower halves of the AST-2446/2 and insert the M8 screws and wave washers.

❾ Use the $\frac{5}{16}$″ wrench to tighten the M8 screws.

Verify that all hardware is secure and tight before proceeding to the next section.

Proceed to the **"Selecting the Mounting Hardware"** section.





Selecting the Proper Mounting Hardware

1. Insert the Thread Depth Indicator into the thread inserts found on the bottom or top of the projector.
2. Use a pencil to mark the depth of the thread insert on the Thread Depth Indicator, as shown in Figure 1.
3. Insert the Thread Depth Indicator into the remaining thread inserts to compare and verify their depth.
4. Locate the correct diameter screw for the thread insert.

   If the screw you selected is longer than the mark on the Thread Depth Indicator, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

   Select another screw length until you find a screw that comes closest to the mark without going past the mark.
5. Test each size of the screws provided.

   The correct screws should thread easily into the mount point and not pull out when tension is applied.

   The optional M3 flat washers may be used to decrease the screw depth of either the M2.5 x 12mm screws or the M3 x 16mm screws. Decrease the screw depth by placing an M3 flat washer inside the leveling barrel and then inserting the mounting screw.

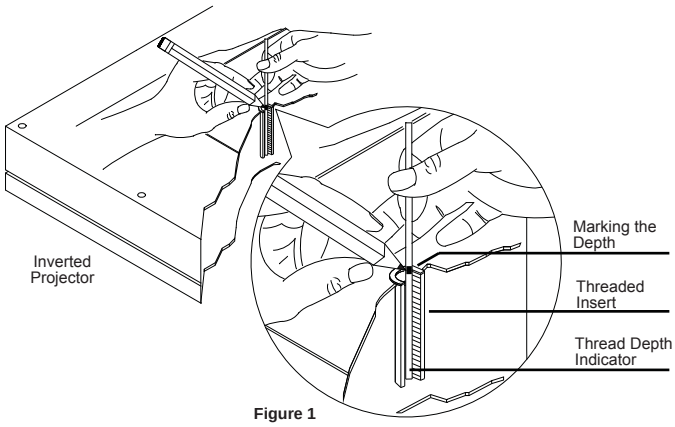


Figure 1

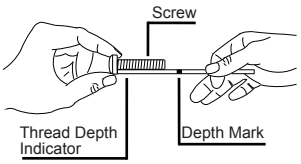


Figure 2

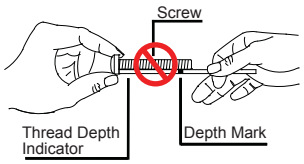


Figure 3

Griplate™ Washer Installation

Premier Mounts' Griplate™ Washers are designed to accommodate the various M4, M5, M6 and M8 hole sizes required by flat panels.

Do not place excessive pressure on the back of the flat panel, as this may damage your flat panel.

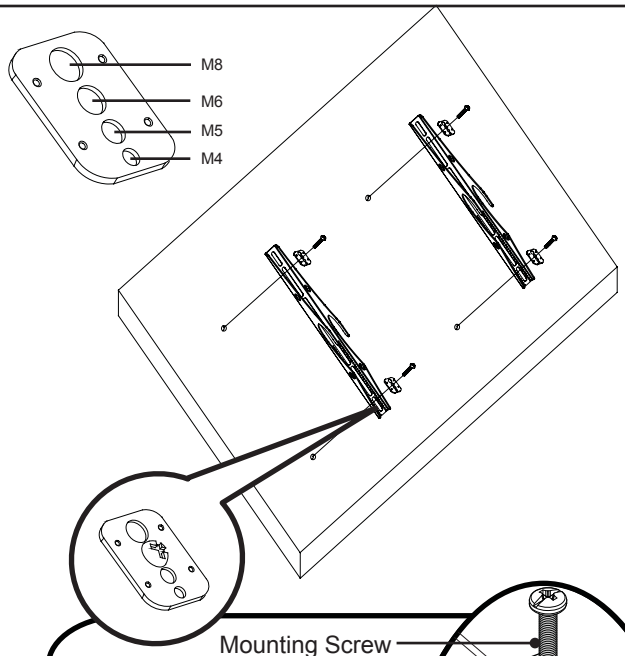
The Griplate™ Washer must be installed between the head of the mounting screw and the mounting bracket as shown.

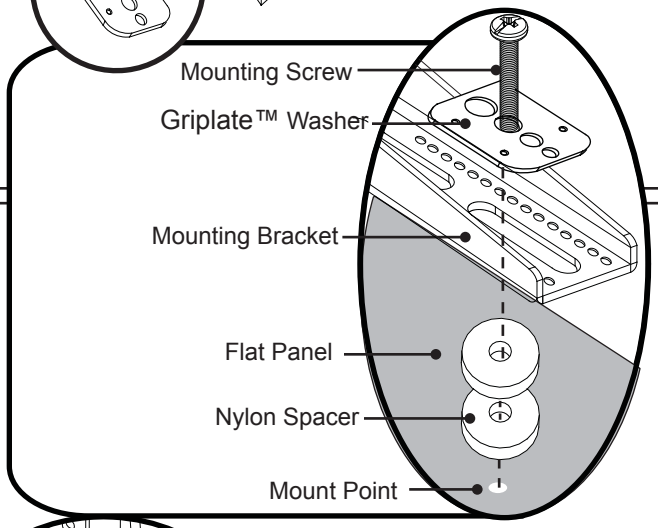
Does your flat panel have:

- Recessed mount points?
- Uneven mount points?
- A curved back?
- Any obstruction near the mount point?

If **Yes**, you must install nylon spacers. Remove the mounting brackets, Griplate™ washers, and mounting screws from the back of the flat panel. Proceed to the **"Nylon Spacer Installation"** section.

If **No**, skip to the **"Removing the Locking Nut"** section.





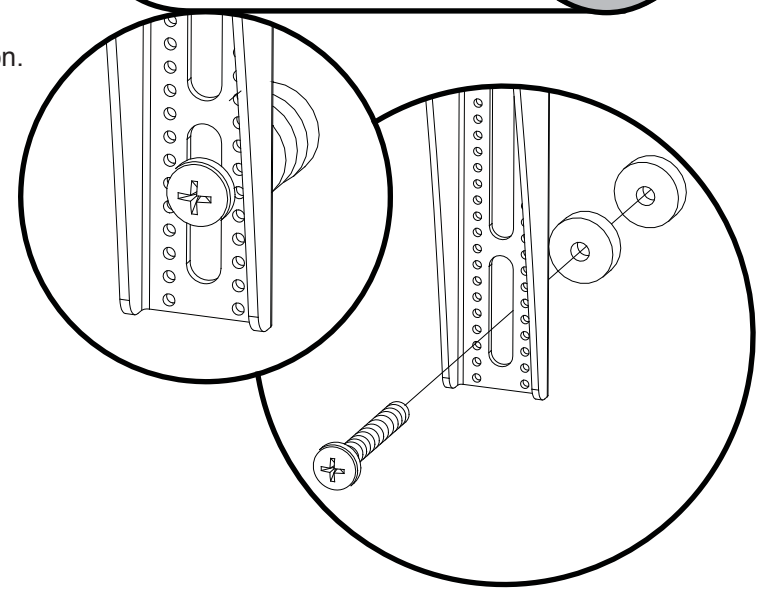
Nylon Spacer Installation

Premier Mounts' nylon spacers allow you to attach the mounting bracket to flat panels which have recessed or uneven mount points. Each nylon spacer will add distance between the mounting bracket and your flat panel.

The nylon spacers must only be installed between the mounting bracket and your flat panel.

The nylon spacers will fit M4, M5, M6 and M8 screw sizes.

Proceed to the **"Removing the Locking Nut"** section.



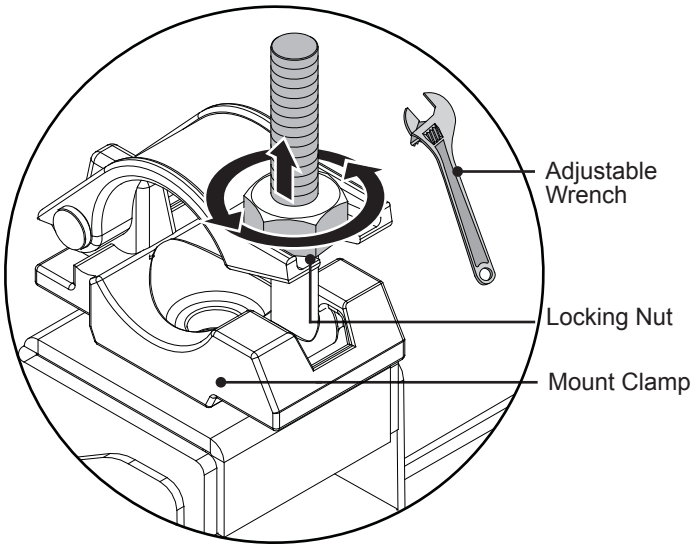
Removing the Locking Nut

❶ Locate the locking nut on top of the mount clamp.

An adjustable wrench may be used to loosen the locking nut if it is too tight.

❷ Remove the locking nut and and set it to the side.

Proceed to **"Determining the Mount Placement"** section.



Determining the Mounting Placement

Do not use different size flat panels with the ECM-3763T. If one 63″ flat panel is used, the remaining two flat panels must be 63″ as well.

Different size flat panels will cause unequal weight distribution.

Please refer to the illustration to the right for mounting placement.

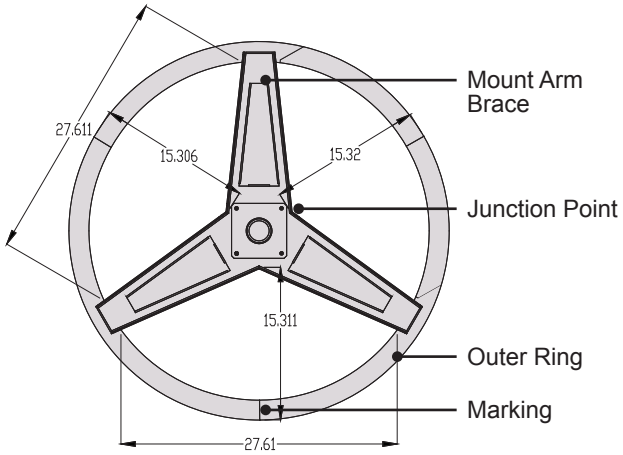
❶ Measure the distance between the mount arm braces.

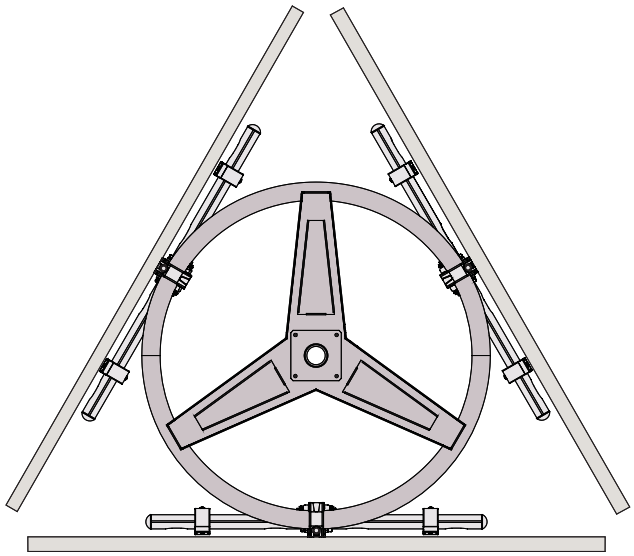
❷ Divide this measurement by 2.

❸ Measure directly out from the junction point of the mount to the outer ring.

❹ Mark this location, as the mounting clamp will be attached at this marking.

Repeat ❶ through ❹ for the remaining mount placement points.





63″ flat panel shown above.

Proceed to the **"Eliptical Tilt Mount Installation"** section.

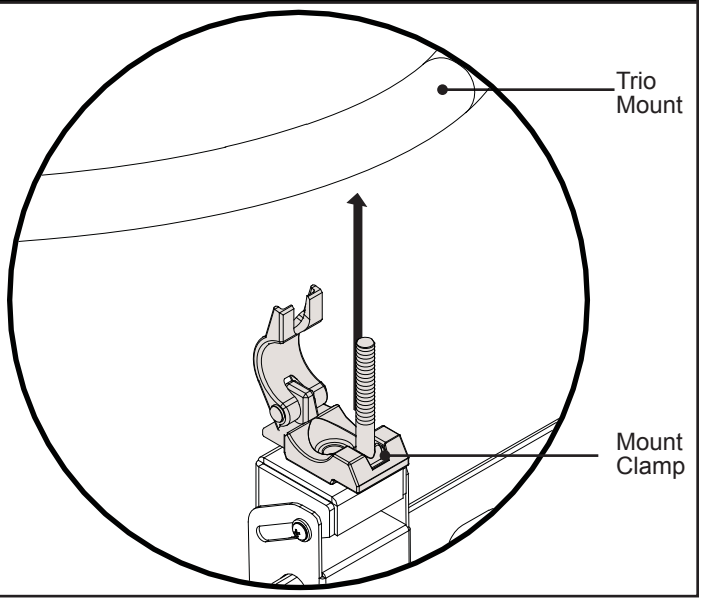
Elliptical Tilt Mount Installation

Step 1

The following steps must be completed by two people.

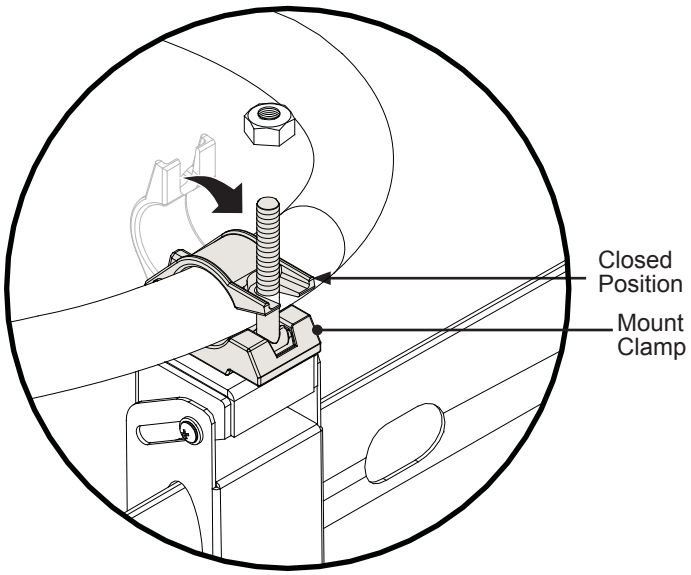
Do not release the elliptical tilt mount until the mount clamp is been fully engaged and the locking nut is attached and tightened.

1. After determining the required distance between each mounting point, lift the eliptical mount assembly up to the Trio mount ring.
2. Place the mount clamp firmly against the underside of the Trio mount ring.



Step 2

1. Flip the mount clamp closed.

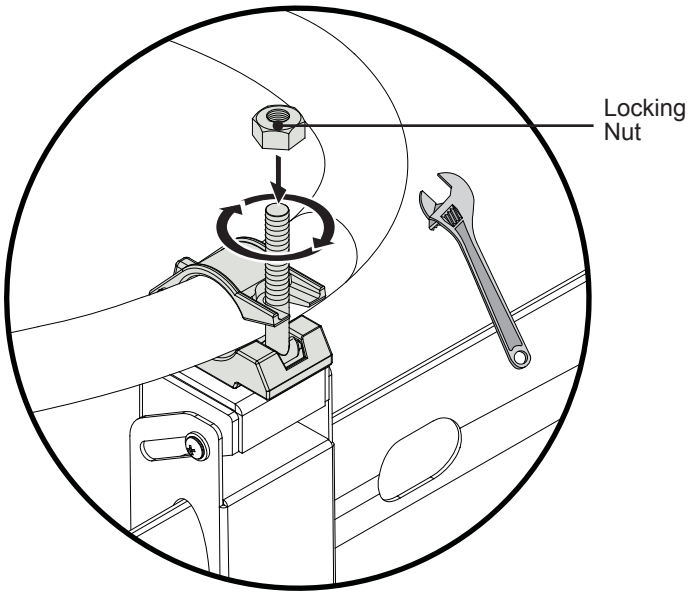


Step 3

1. Thread the locking nut onto the threaded shaft of the mount clamp.
2. Use an adjustable wrench to tighten the locking nut.

Make sure that the locking nut is completely tightened before releasing the eliptical mount assembly.

Proceed to the **"Attaching the Flat Panel"** section.



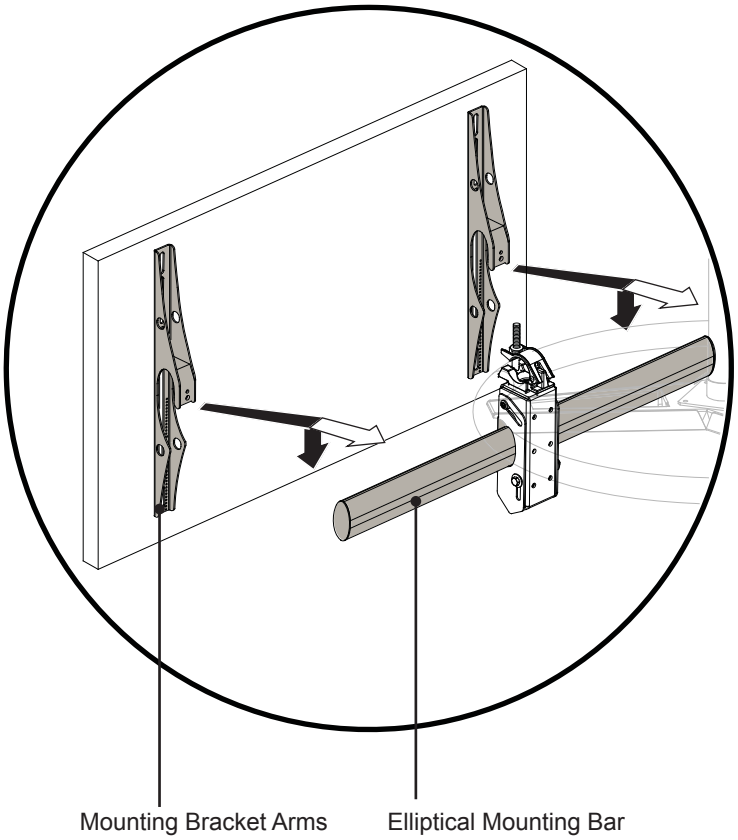
Attaching the Flat Panel

Step 1

Install the mount according to the instructions provided by Premier Mounts. Ensure all structural reinforcements have been made before attaching the flat panel to the ECM-3763T.

Do not release the flat panel until the mounting bracket arms are fully resting on the elliptical mounting bar.

1. Raise the mounting bracket arms and the attached flat panel over the elliptical mounting bar of the ECM-3763T.

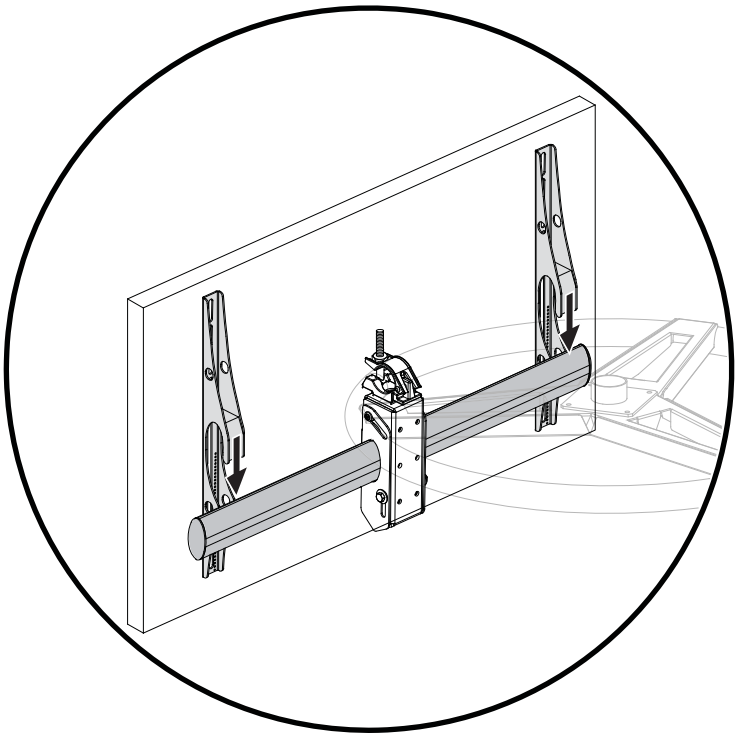


Step 2

1. Lower and center the mounting bracket arms with the attached flat panel onto the elliptical mounting bar of the ECM-3763T.
2. Repeat Steps 1 and 2 for mounting the remaining elliptical tilt mounts.

Do not release the flat panel until the mounting bracket arms are resting fully on the elliptical mounting bar.

Proceed to **"Attaching the Decorative Covers"** section.

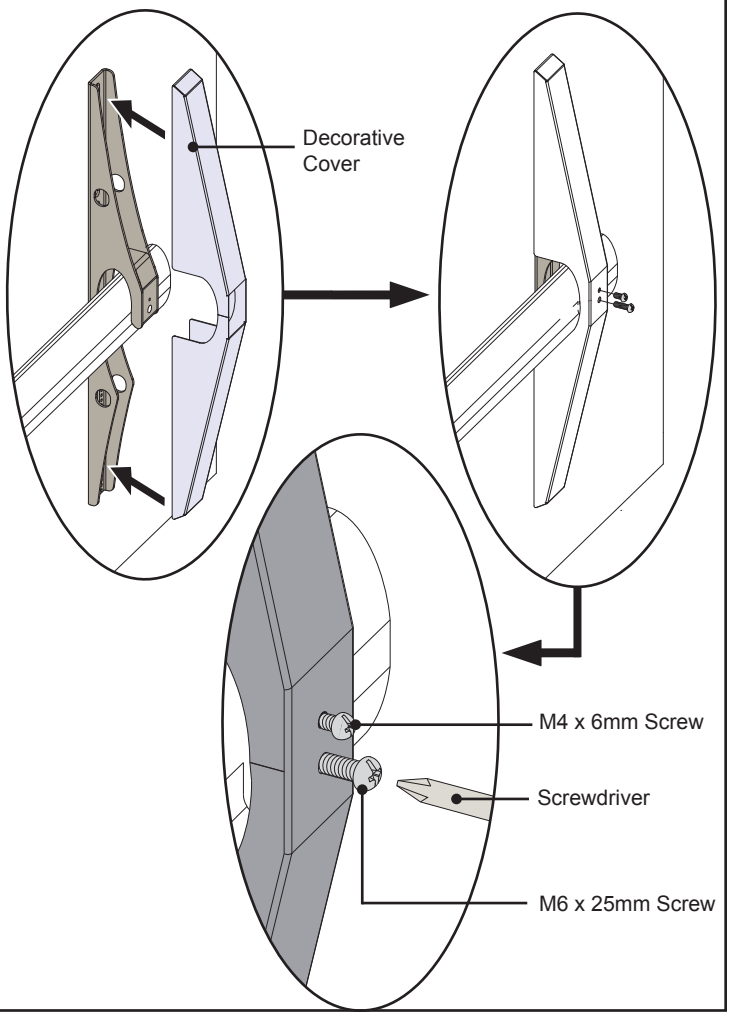


Attaching the Decorative Covers

When attaching the decorative covers, verify that the smaller mounting hole is above the larger mounting hole.

1. Place the first decorative cover over the first mounting bracket arm and push firmly into place.
2. Align the mounting holes together.
3. Insert the M4 x 6mm Phillips screw (smaller mounting hole).
4. Insert the M6 x 25mm Phillips screw (larger mounting hole).
5. Use a screwdriver to tighten all decorative cover mounting hardware.
6. Repeat Steps 1 through 5 for the remaining decorative covers and mounting bracket arms.

Do not overtighten these screws



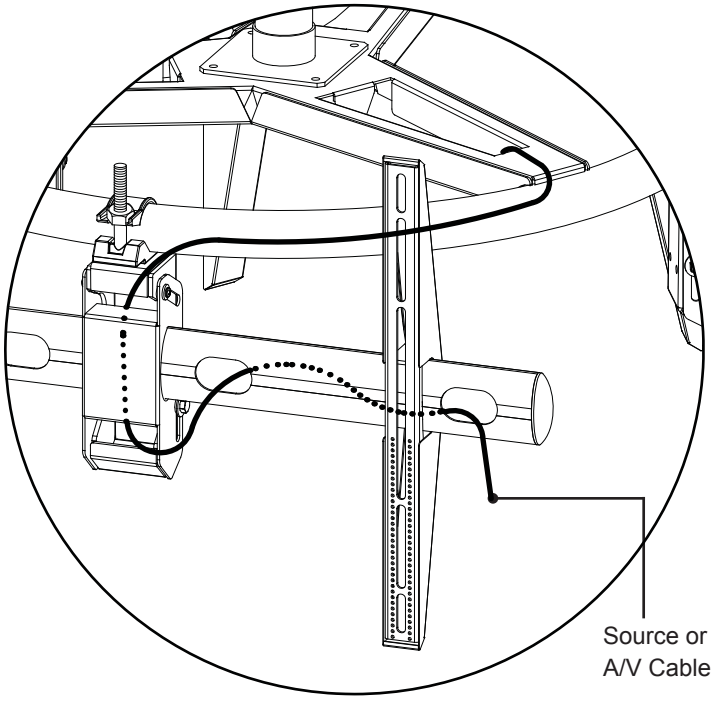
Proceed to the **"Cable Management"** section.

Cable Management

Route the cables through the cable access holes and to their respective locations. Remove the plastic covers, route the cables, and gently re-attach the plastic covers.

The cables may then be routed through the bracket, up the ceiling adapter and into the ceiling to a predetermined power source.

Proceed to the **"Tilt Positioning"** section.



Tilt Positioning

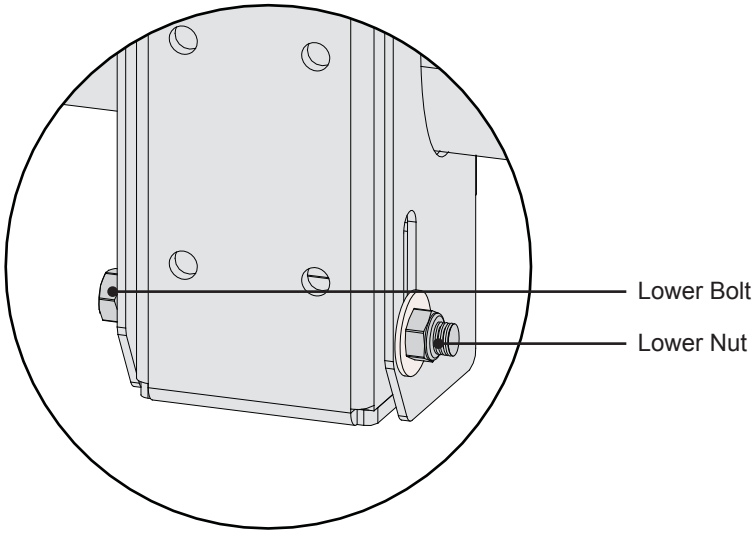
Adjusting the Flat Panel Friction Tilt Angle

1. Place one hand at the center top edge of the flat panel.
2. Place the other hand on the center bottom edge of the flat panel.
3. Using the upper hand, gently pull the top of the flat panel towards you while the lower hand gently pushes the bottom of the flat panel away from you.

If additional tilt friction is required, tighten the lower nut and lower bolt only to increase the tilt friction.

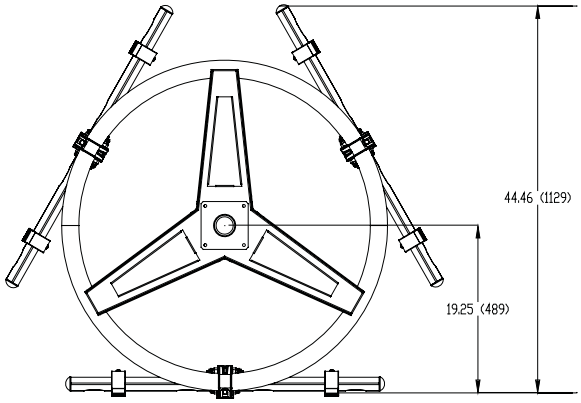
Adjusting the Flat Panel to the Original Position

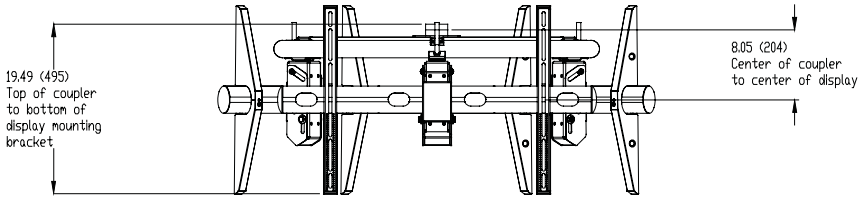
1. Place one hand at the center top edge of the flat panel.
2. Place the other hand on the center bottom edge of the flat panel.
3. Using the upper hand, gently push the top of the flat panel towards the wall while the lower hand gently pulls the bottom of the flat panel away from the wall.

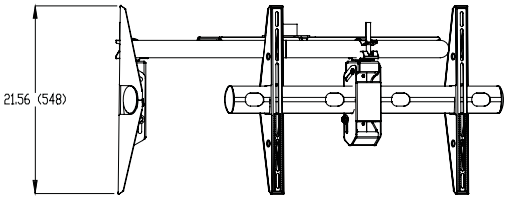


Technical Specifications

All measurements are in inches(mm).







Warranty

PREMIER MOUNTS
LIMITED LIFETIME WARRANTY

What and Who is Covered by this Limited Warranty and for How Long
Premier Mounts warrants this product to be free from defects in material and workmanship for the lifetime of the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

What Premier Mounts Will Do
At the sole option of Premier Mounts, Premier Mounts will repair or replace any product or product part that is defective. If Premier Mounts chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

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What Customers Must Do for Limited Warranty Service
If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to Premier Mounts Customer Service at 1-800-368-9700. Warranty claims will not be accepted over the phone or by fax.

Premier Mounts
Attn: Warranty Claim
3130 East Miraloma Ave.
Anaheim, CA 92806

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